Recombinant FREM1 protein (His tag)

Catalog Number	547411
Synonyms	Protein QBRICK
Species	Human
Expression System	E. coli
Accession	Q5H8C1
Molecular Weight	Predictes a molecular mass of 18.83 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 19 kDa band.

Product Information

Sequence Region	2031-2179
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 2031-2179 aa (Q5H8C1) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant Human FRAS1-related extracellular matrix protein 1 (FREM1) fragment, encompassing amino acids 2031-2179. This 149-amino acid fragment contains the complete C-type lectin domain, providing researchers with a specialized tool for investigating the specific functional properties of this critical extracellular matrix protein domain. FRAS1-related extracellular matrix protein 1 (FREM1), also known as Protein QBRICK, is an extracellular matrix protein essential for epidermal differentiation and epidermal adhesion during embryonic development. The protein functions in the extracellular space, specifically within the extracellular matrix and basement membrane, where it localizes at the basement membrane zone of embryonic epidermis and hair follicles. This strategic positioning underscores its critical role in maintaining structural integrity and facilitating proper cellular adhesion processes during development.